Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application:

- 1. (Currently Amended): A method for preparing a manganese compound for a lithium manganese complex oxide, comprising the step of simultaneously applying a mechanical force from 0.1 to 1000 dyne/cm² and a heat energy from 50 to 200 °C at a time from 5 minutes to 5 hours to a manganese compound to remove defects present in particles of said manganese compound, and to control the aggregation of micro particles and the shape of the aggregated particles.
- 2. (Previously Presented): The method for preparing the manganese compound according to claim 1, wherein a mechanical force and a heat energy are simultaneously applied to said manganese compound with adding one or more kinds of additives selected from the group consisting of LiOH, LiOH•H₂O, LiCH₃COO, LiCHO, LiCHO•H₂O, LiNO₃, and a transition metal salt having a melting point of 200°C or less.
- 3. (Original): The method for preparing the manganese compound according to claim 2, wherein the amount of said preparations is 0 to 20 wt% of the manganese compound.
- 4. (Previously Presented): The method for preparing the manganese compound according to claim 1, wherein said manganese compound is selected from the group consisting of electrolytic manganese dioxide, chemical manganese dioxide, Mn₂O₃ and Mn₃O₄.
- 5. (Currently amended): The method for preparing the manganese compound according to claim 2, wherein said manganese compound is selected from the group consisting of electrolytic

manganese dioxide, chemical manganese dioxide Mn_2O_3 and Mn_3O_4 .

- 6. (Canceled)
- 7. (Canceled)
- 8. (Previously Presented): The method for preparing the manganese compound according to claim 1, wherein a manganese compound having a shape without edges is prepared from an angular shaped manganese compound as a raw material and applying mechanical force and heat energy.
- 9. (Previously Presented): The method for preparing the manganese compound according to claim 2, wherein a manganese compound having a shape without edges is prepared from an angular shaped manganese compound as a raw material and applying mechanical force and heat energy.
- 10.(Currently Amended): A method for preparing lithium manganese complex oxide with a spinel structure, comprising the steps of:
 - a) mixing
 - (i) a manganese compound prepared by the method comprising the step of simultaneously applying a mechanical force from 0.1 to 1000 dyne/cm² and a heat energy from 50 to 200 °C at a time from 5 minutes to 5 hours to a manganese compound to remove defects present in the particles of said manganese compound and to control the aggregation of micro particles and the shape of the aggregated particles; and
 - (ii) a lithium compound; and
 - b) calcining the mixture prepared in said step (a).
- 11.(Original): A method for preparing a lithium manganese complex oxide with a spinel structure according to claim 10, wherein the

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(ii) lithium compound of step (a) is selected from a lithium salt

group consisting of LiOH, LiOH•H₂O, LiCH₃COO, LiCHO,

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LiCHO•H₂O and LiNO₃.

12.(Original): A method for preparing the lithium manganese complex oxide with a spinel structure according to claim 10, wherein the temperature of calcination of said step (b) is 400 to 900 °C, and the time of calcination is 1 to 30 hours.

- 13.(Original): A method for preparing the lithium manganese complex oxide with a spinel structure according to claim 11, wherein the temperature of calcination of said step (b) is 400 to 900 °C, and the time of calcination is 1 to 30 hours.
- 14.(Currently Amended): A lithium or lithium ion secondary battery comprising an anode, an electrolyte and a cathode using a lithium manganese complex oxide powder with a spinel structure as an active material, wherein said active material is a lithium manganese complex oxide with a spinel structure prepared by the method comprising the steps of:
 - a) mixing
 - (i) a manganese compound prepared by the method comprising the step of simultaneously applying a mechanical force from 0.1 to 1000 dyne/cm² and a heat energy from 50 to 200 °C at a time from 5 minutes to 5 hours to a manganese compound to remove defects present in particles of the manganese compound and to control the aggregation of micro particles and the shapes of the aggregated particles; and
 - (ii) a lithium compound; and
 - b) calcining the mixture.
- 15.(Currently Amended): A method for preparing a manganese compound that is used for preparing a lithium manganese complex oxide, comprising the step of simultaneously applying a

mechanical force from 0.1 to 1000 dyne/cm² and a heat energy from 50 to 200 °C at a time from 5 minutes to 5 hours to a manganese compound to remove defects present in particles of said manganese compound, and to control the aggregation of micro particles and the shape of the aggregated particles.

- 16.(New): The method for preparing a manganese compound according to claim 1, wherein a mechanical force and a heat treatment is applied in an apparatus which applies shear stress to the surface of particles and to which a heating apparatus is attached.
- 17.(New): The method for preparing a manganese compound according to claim 16, wherein the manganese compound gathers along a rotating chamber wall and receives shear stress and compression at a fixing axis of the apparatus.
- 18.(New): The method for preparing a manganese compound according to claim 16, wherein the apparatus is a mechanofusion mill.